

200300328

THE UNITED SHATES OF AVIERIOA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Hioneer Hi-Bred International, Inc.

HUCCUS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT ROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR NOT VARIETY THEREFROM, TO THE ENTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 S).

WHEAT, COMMON

'25W41'

In Testimonn Thereof, I have hereunto set my hand and caused the seal of the Flant Bariety Protection Office to be affixed at the City of Washington, D.C. this thirteenth day of April, in the year two thousand and four.

Ol MJ. Commissioner

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Sernon Griculturo

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (*See Section 97.6 of the Regulations and Rules of Practice.*) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All Items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

19A. Exhibit A. Origin and Breeding History of Pioneer Wheat Cultivar 25W41.

Pioneer[®] cultivar '25W41', a soft white winter wheat (*Triticum aestivum* L.) was developed by Pioneer Hi-Bred International, Inc.. Using a modified pedigree selection breeding method, 25W41 was derived from the three parent cross:

2571/2540 sib./WBE0235B1

The cultivar, WBE0235B1, was a Pioneer line derived from the cross: W2024/Feland//Stella/W9018A. W2024 was a Pioneer line derived from the cross: S76/5/Coker68-15/4/Etoile de Choisy //Thorne/Clarkan/3/Pawnee/IN3848A5. Stella (Cltr 17937) was a germplasm release from Purdue University, which carries the H9, H10 resistance genes to Hessian fly. The cultivar W9018A, was a Pioneer line derived from the cross: W521/S76. The exact parent of W521 are not known, however, the pedigree consists of three quarters soft red winter wheat and one quarter CIMMYT spring wheat. The detailed parentage of 25W41 is:

2571/2540 sib./8/ S76/5/Coker68-15/4/Etoile de Choisy //Thorne/Clarkan/3/Pawnee/IN3848A5 /6/ Feland /7/ Stella//W521/S76

The single cross 2571/2540 sib. was made in the 1991 spring greenhouse cycle and was designated WBN2210. During the 1991 fall greenhouse cycle the F_1 , WBN2210, was crossed with WBE0235B1 and the final cross designated WBP0225. The subsequent breeding history of 25W41 is described below.

<u>Year</u>	<u>Generation</u>	
1991	Final cross	
1992	F ₁	F ₁ grown in transplant nursery at Windfall IN.
1992-93	F ₂	Bulk populations grown at Windfall and Ft. Branch, IN. Individual spike selections made at both locations.
1993-94	F ₃	Headrows from F_2 selections grown at Windfall and Ft. Branch, IN. Selected rows cut and threshed individually. This selection made at Windfall, IN.
1994-95	F ₄	A three row X 3-meter observation plot was planted at Windfall and Ft. Branch, IN. A meter section of the center row was harvested from the selected plot and threshed in bulk.
1995-96	F ₅	A seven row X 3-meter plot was planted at Windfall and Ft. Branch, IN. Fifty spikes were harvested from the selected plot and threshed individually.
1996-97	F ₆	Twenty headrows of the F ₅ selection were grown at Windfall and Ft. Branch, IN. Selected rows were cut and

		threshed individually. This selection was made at Windfall, IN.
1997-98	F ₇	Preliminary yield testing of an $F_{\rm 5}$ selection from an $F_{\rm 6}$ headrow. This selection designated WBP0225C1.
1998-99	F ₈	Advanced yield testing of WBP0225C1. 200 individual spikes were harvested from a small bulk increase.
1999-2000	F ₉	Elite yield testing of WBP0225C1. 200 purification headrows planted, off-type rows destroyed prior to maturity. Approximately 100 of the remaining, inside rows were individually cut and threshed. Two spikes were taken from each harvested row.
2000-01	F ₁₀	Elite yield testing continued of WBP0225C1. Seed from purification headrows planted in individual progeny plots which surrounded 200 headrows. Off-type plots and headrows were destroyed prior to harvest. Equal numbers of spikes were harvested from the remaining progeny plots for a total of 1000 individual spikes. 110 headrows were harvested. The progeny plots were harvested in bulk, which constitutes Breeder Seed. Bulk seed, headrow bulks, and individual spikes were turned over to Pioneer's Supply Management, Parent Wheat Seed group.
2001-02	F ₁₁	Elite yield testing continued, line designated YW01E. Seed increase continued by Pioneer Parent Wheat Seed Group.
2002-03	F ₁₂	Elite yield testing continued, line designated XW01E. Seed increase continued by Pioneer Parent Wheat Seed Group.

Decision to release WBP0225C1 was made in August, 2003 at which time the commercial code, 25W41 was assigned.

The cultivar 25W41 was bred and selected for any and all of the following characteristics in the field environment: disease resistance, plant type, plant height, head type, straw strength, maturity, grain yield, test weight, and milling and baking characteristics.

25W41 has been shown to be uniform and stable since the 7th generation, or for the last 5 generations. 25W41 has shown no variants other than what would normally be expected due to environment.

19B. Exhibit B. Statement of Distinctness

25W41 is most similar to Pioneer variety 25W33 but with the following distinguishing characteristics:

- Stem waxy bloom is present on 25W41, while it is absent on 25W33.
 Glume shoulder shape is rounded on 25W41, while it is oblique on 25W33.
 Seed phenol reaction is light brown on 25W41, while it is dark brown on 25W33.

REPRODUCE LOCALLY. Include form number and date on all reproductions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT C (Wheat)

OBJECTIVE DESCRIPTION OF VARIETY WHEAT (Triticum spp.)

		· · · · · · · · · · · · · · · · · · ·			
NAME OF APPLICANT(S)				FOR OFFICIAL USE ONLY	
Pioneer Hi-Bred Inte	ernational, Inc.			PVPO NUMBER 2003	COCTOO
ADDRESS (Street and No. or RD No.	o., City, State, and Zip Code)	•		E V V &	
	arch & Development			VARIETY NAME 25	W41
Wheat Research 3850 N. 100 E.				20	
Windfall, IN 46076-9	9389			TEMPORARY OR EXPERIMENT	AL DESIGNATION
Place a zero in the first box (or minimum of 100 plants. Co.	TRUCTIONS CAREFULLY: Pe.g. 0 9 9 or 0 9) when mparative data should be determined by the signate system used: Munsell (n number is either 99 or less or 9 ned from varieties entered in the Color Charts for Plant T	or less respectively. De same trial. Royal Hort	ata for quantitative plant charact	ers should be based on a red color standard may be used
1. KIND:					
1	1=Common	2=Durum	3=Club	4=Other	(SPECIFY):
2. VERNALIZATIO	ON:				
2	1=Spring	2=Winter	3=Other (S	SPECIFY) :	
3. COLEOPTILE A	NTHOCYANIN:				
1	1=Absent	2=Present			
4. JUVENILE PLAN	T GROWTH:	_			
2	1=Prostrate	2=Semi-erect	3=Erect		
5. PLANT COLOR	(boot stage):			-	
2	1 = Yellow-Green	2 = Green	3 = Blue-Gr	een	
6. FLAG LEAF (boo	ot stage):				
1	1 = Erect	2 = Recurved	2	1 = Not Twisted	2 = Twisted
7. EAR EMERGENO	CE:			,	
* 1	Number of Days Earl	ier Than25W3	33		· · · · · · · · · · · · · · · · · · ·
*	Number of Days Late	r Than			

8.	ANTHER COLOR:					
-	1 = Yellow	2 = Pur	ple			
9.	PLANT HEIGHT (from soil to top	of head, excluding awns):			•	
	cm Taller Tha	nn25W33				*
	cm Shorter Tl	han				*
			* Relative to	o a PVPO-Approved C	ommercial Variety Gro	wn in the Same Trial
10.	STEM:					
	A. ANTHOCYANIN		D. INTERNO	DE (SPECIFY N	IUMBER)	
	1 1= Absent 2=Pre	esent	1 1= Hol	low 2=Sem	i-solid	3=Solid
	B. WAXY BLOOM		E. PEDUNCL	E		
	2 1=Absent 2=Pre	esent	2 1=Abse	ent 2=Pre	sent	
	C. HAIRINESS (last internoc	de of rachis)	cm Ler	igth		
	2=Pre	esent				
11.	HEAD (at Maturity):					
	A. DENSITY		C. CURVATU	IRE		
	2 1=Lax 2=Mi 3= Dense	ddense	2 1 = Ere	ect 2 = Inc	lined	3 = Recurved
	B. SHAPE		D. AWNEDNI	ESS		
	$ \begin{array}{ c c c } \hline 1 & 1 = Tapering & 2 = Str \\ 3 = Clavate & 4 = Ot \end{array} $	rap ther (SPECIFY):	$ \begin{array}{c c} 4 & 1 = Aw \\ 3 = Aw \end{array} $		ically Awnletted	
12	GLUMES (at Maturity):					
	A. COLOR		C. BEAK			
	2 = Ta	an	3	1 = Obtuse	2 = Acute	
	3 = Other (SPECIFY) :		ليا	3 =Acuminate		
	B. SHOULDER		D. LENGTH			
	3 1 = Wanting 2 = Ob 3 = Rounded 4 = Sq 5 = Elevated 6 = Ap		1	1 = Short (ca. 7mm) 3 = Long (ca. 91	2 = Medium (ca. 8mm) nm)	

12. GLUMES (at Maturity) Continued:	
E. WIDTH	
1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5m 3 = Wide (ca. 4mm)	m)
13. SEED:	
A. SHAPE	C. BRUSH
$\boxed{1} 1 = \text{Ovate} \qquad 2 = \text{Oval} \qquad 3 = \text{Elliptical}$	1 1=Short 2=Medium 3=Long
	$1 = Not Collared \qquad 2 = Collared$
в. снеек	D. CREASE
1 1=Rounded 2=Angular	1 = Width 60% or less of Kernel 2 = Width 80% or less of Kernel 3 = Width Nearly as Wide as Kernel
	1 = Depth 20% or less of Kernel 2 = Depth 35% or less of Kernel 3 = Depth 50% or less of Kernel
E. Color	G. PHENOL REACTION (see instructions):
1=White 2= Amber 3= Red 4= OTHER (Specify)	3 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black
F. TEXTURE	5 - Black
2 1=Hard 2=Soft	
14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resi	stant; 3=Intermediate; 4=Tolerant)
PLEASE INDICATE THE SPEC	IFIC RACE OR STRAIN TESTED
O Stem Rust (Puccinia graminis f. sp. tritici)	Leaf Rust (Puccinia recondita f. sp. tritici) Field races
Stripe Rust (Puccinia striiformis) Field races	0 Loose Smut (Ustilago tritici)
Tan Spot (Pyrenophora tritici-repentis) Field races	O Flag Smut (Urocystis agropyri)
O Halo Spot (Selenophoma donacis)	O Common Bunt (Tilletia tritici or T. laevis)
Septoria nodorum (Glume Blotch) Field races	Dwarf Bunt (Tilletia controversa)
O Septoria avenae (Speckled Leaf Disease)	0 Karnal Bunt (Tilletia indica)
Septoria tritici (Speckled Leaf Blotch)	Powdery Mildew (Erysiphe graminis f. sp. tritici) Field races
Scab (Fusarium spp.)	0 "Snow Molds"
Field races	**************************************

14.	Disease	e (Continued) (0=Not Tested; 1	=Susceptible;	2=Resista	nt; 3=Intermediate;	4=Tolerant)
	•	PLEASE INDI	CATE THE SPE	CIFIC RA	CE OR STRAIN TEST	TED
	0	"Black Point" (Kernel Smudge)	0		oon Root Rot <i>(Fusariui uris</i> spp. <i>)</i>	m, Cochliobolus and
	0	Barley Yellow Dwarf Virus (BYDV)	0	Rhizo	ctonia Root Rot <i>(Rhizo</i>	ctonia solani)
	3	Soilborne Mosaic Virus (SBMV) Field races	0	Black	Chaff (Xanthomonas c	ampestris pv. translucens)
•	3	Wheat Yellow (Spindle Streak) Mosai Field races	c Virus 0	Bacte syring	rial Leaf Blight <i>(Pseude ae)</i>	omonas syringae pv.
	0	Wheat Streak Mosaic Virus (WSMV)		Other	(SPECIFY)	
		Other (SPECIFY)		Other	(SPECIFY)	
		Other (SPECIFY)		Other	(SPECIFY)	
•		Other (SPECIFY)		Other	(SPECIFY)	
15.	INSECT:	(0=Not Tested; 1=Susceptible;	2=Resistant;	3=Interi	nediate; 4=Tolerant)
		PLEASE SP	ECIFY BIOTYP	E (where	needed)	
	2	Hessian Fly (Mayetiola destructor) Biotype L		Other	(SPECIFY)	
	0	Stem Sawfly (Cephus spp.)		Other	(SPECIFY)	
	0	Cereal Leaf Beetle (Oulema melanopa		Other	(SPECIFY)	
	0	Russian Aphid (Diuraphis noxia		Other	(SPECIFY)	
· .	0	Greenbug (Schizaphis graminum)		Other	(SPECIFY)	
	0	Aphids		Other	(SPECIFY)	

19D. Exhibit D. Additional Description of the Variety

1. Yield and Agronomic information.

Preliminary yield testing of 25W41 began in the 1997-98 growing season and wide scale testing has been conducted from the 1998-99 growing season to the present. It has shown adaptation to the northern soft wheat regions based on tests conducted in Arkansas, Kentucky, Missouri, Illinois, Indiana, Ohio, Michigan, Maryland and Ontario, Canada (Table 1).

2. Information on Milling and Baking Qualities.

25W41 has demonstrated good soft winter wheat milling and baking qualities (Table 2).

Table 1. Paired comparisons of 25W41 during the period 2000-2003.

Variety	Grain Yield	Test Weight	Plant Height	Heading Date	Straw Lodging	Leaf Rust	Leaf	Powdery Mildew	Scab	SSMV	SBMV
	bu/ac	lb/bu	сш	After Jan 1		1-9@	1-9@	1-9@	1-9@	1-9@	1-9@
25W41 25W33	95.0 92.8	58.6 56.8	92.5 90.7	147.5	7.1	8.5	5.2	5.6	6.4	5.5	7.0
Years	4	4	4	4	l	-	2		2,		ري ا
Reps.	129	133	39	99		٠ ,	ر آ	1 1	ب د	n 4	უ <u>5</u>
Prob.	0.00	0.000	0.00	0.005	Ū	1	0.138	0.233	0.00	0.500	0.003

25W41	95.1	58.6	92.5	147.5	7.1	8.5	5.2	5.6	6.4	5.5	7.0
09M	94.5	57.9	98.6	146.2	6.4	4.0	4.1	6.3	3.8	6.5	6.3
Years	4	4	4	4	2	-	m	2	3	2	~
Reps.	131	134	40	<i>L</i> 9	13	2	14	ı t ~	33	1 <	٠ <u>٢</u>
Prob.	0.556	0.000	0.000	0.000	0.288	İ	0.018	0.281	000	0050	0 160

5W41 5R49	93.8 94.9	58.5 58.4	93.0 90.9	149.0 146.9	7.3	8.5	4.9 4.0	6.0	6.3	5.5	7.3
							2:	2	1.7	ř	3
Years		~	m	m	-	_	c	_	۲۰	-	,
ç	(;	1			•	•	1	7	'n	-	7
Keps.	113	116	33	26	_	c	7.7	_	10	c	¢
,))	2	1	7	+	01	7	0
Prob.	0.342	2990	000	0000	0.630		2100	0000	.000		

@ Scale of 1-9 where 9= excellent or resistant, 1= poor or susceptible

Data in above table collected at locations in Arkansas, Kentucky, Missouri, Illinois, Indiana, Ohio, Michigan, Maryland and Ontario, Canada.

Table 2. Average Soft wheat quality data, 2000-2003.

		i	j	-		
Variety	Flour Yield	Break Flour Yield	Flour Protein	AWRC	Lactic Acid SRC	Cookie Diameter
	%	%	%	%	%	cm
25W41	72.2	43.2	80.00	55.4	98.7	18.6
Years(reps)	3(6)	3(6)	3(6)	3(6)	3(6)	2(3)
25W33	71.2	43.1	9.1	56.0	113.1	18.6
Years(reps)	4(13)	4(13)	4(13)	4(13)	1(2)	3(8)
25W60	72.4	41.9	9.4	56.0	86.3	100
Years(reps)	4(13)	4(13)	4(13)	4(13)	1(2)	3(8)
25R49	72.5	43.9	8.2	56.3	88.5	18.7
Years(reps)	4(29)	4(29)	4(29)	4(29)	1(5)	3(14)

AWRC = Alkaline Water Retention Capacity.

Lactic Acid SRC = Lactic Acid Solvent Retention Capacity

Quality data collected at Pioneer in Johnston, IA and the USDA-ARS Soft Wheat Quality Lab in Wooster, OH.

REPRODUCE LOCALLY. Include form number and edition date on all	reproductions. For	ORM APPROVED - OMB No. 0581-0055
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E	Application is required in order to detect certificate is to be issued (7 U.S.C. 24 confidential until the certificate is issued	21). The information is held
STATEMENT OF THE BASIS OF OWNERSHIP		(. 5.5.5, 5.5.5,
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
Pioneer Hi-Bred International, Inc.	OR EXPERIMENTAL NUMBER	25W41
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
Crop Genetics Research & Development Wheat Research	(765) 945-7906	(765) 945-8313
3850 N. 100 E. Windfall, IN 46076-9389	7. PVPO NUMBER 200	300328
8. Does the applicant own all rights to the variety? Mark an "X" in the		
9. Is the applicant (individual or company) a U.S. national or a U.S. b	ased company? If no, give name of co	untry. YES NO
10. Is the applicant the original owner?	NO If no, please answer <u>one</u> o	of the following:
a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. Nationa NO If no, give name of count	
b. If the original rights to variety were owned by a company(ies),	NO If no, give name of country	
11. Additional explanation on ownership (Trace ownership from origin	nal breeder to current owner. Use the re	verse for extra space if needed):`
PLEASE NOTE:		
Plant variety protection can only be afforded to the owners (not licens	ees) who meet the following criteria:	
If the rights to the variety are owned by the original breeder, that penational of a country which affords similar protection to nationals of	erson must be a U.S. national, national of the U.S. for the same genus and specie	f a UPOV member country, or es.
2. If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.	red the original breeder(s), the company country which affords similar protection to	must be U.S. based, owned by pationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the c	original owner and the applicant must me	eet one of the above criteria.
The original breeder/owner may be the individual or company who direct for definitions.	ected the final breeding. See Section 4	I(a)(2) of the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, a control number. The valid OMB control number for this information collection is 0581-0055, including the time for reviewing the instructions, searching existing data sources, gathering as	The time required to complete this information collect.	on is estimated to average 0.1 hour per response.
The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and ac marital or family status, political beliefs, parental status, or protected genetic information. (No communication of program information (Braille, large print, audiotape, etc.) should contact US	at all prohibited bases apply to all programs 1. Person:	with disabilities who require alternative means for

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